

US Army Corps of Engineers
Washington Aqueduct Division

Washington Aqueduct Perchlorate Data to Date

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
09/03/03	ND	ND	ND	
09/05/03	ND	ND	ND	
09/11/03	ND	ND	ND	
09/16/03	ND	ND	ND	
09/22/03	ND	ND	ND	
10/06/03	ND	ND	ND	ND
10/20/03	ND	ND	ND	
10/27/03	ND	ND	ND	
11/03/03			ND	ND
12/15/03	ND	ND	ND	
12/22/03	ND	ND	ND	ND
01/12/04	ND	ND	ND	ND
01/14/04	ND	ND	ND	
01/14/04	ND	ND	ND	
01/20/04		ND	ND	ND
02/02/04	ND	ND	ND	
02/06/04	ND	ND	ND	
02/09/04	ND	ND	ND	ND
02/17/04	ND	ND		
02/23/04	ND	ND	ND	ND
03/01/04	ND	ND	ND	ND
03/08/04	ND	ND	ND	ND
03/15/04	ND	ND	ND	ND
03/22/04	ND	ND	ND	ND
03/29/04	ND	ND	ND	ND
04/05/04	ND	ND	ND	ND
04/12/04	ND	ND	ND	ND
04/19/04	ND	ND	ND	ND
04/26/04	ND	ND	ND	ND
05/03/04	ND	ND	ND	ND
05/10/04	ND	ND	ND	ND
05/17/04	ND	ND	ND	ND
05/24/04	ND	ND	ND	ND

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
06/07/04	ND	ND	ND	ND
06/14/04	ND	ND	ND	ND
06/21/04	ND	ND	ND	ND
06/28/04	ND	ND	ND	ND
07/07/04	ND	ND	ND	ND
07/12/04	ND	ND	ND	ND
07/19/04	ND	ND	ND	ND
07/26/04	ND	ND	ND	ND
08/02/04	ND	ND	ND	ND
08/09/04	ND	ND	ND	ND
08/16/04	ND	ND	ND	ND
08/23/04	ND	ND	ND	ND
08/30/04	ND	ND	ND	ND
09/07/04	ND	ND	ND	ND
09/13/04	ND	ND	ND	ND
09/23/04	ND	ND	ND	ND
09/27/04	ND	ND	ND	ND
10/04/04	ND	ND	ND	ND
10/12/04		ND	ND	
10/14/04	ND			
10/18/04	ND	ND	ND	ND
11/05/04		ND	ND	ND
11/09/04		2.2	ND	
11/09/04		0.8	1.6	
11/10/04		ND	ND	
11/11/04			ND	
11/12/04		ND	ND	
11/15/04	ND	ND	ND	
11/16/04	ND	ND	ND	ND
11/16/04			ND	
11/23/04	ND	ND	ND	ND
11/23/04	ND	ND	ND	ND
11/23/04	0.48	0.48	0.53	0.55
11/26/04			0.42	0.52
11/30/04	ND	ND	ND	ND
11/30/04	ND	ND	ND	ND
11/30/04	0.36		0.44	0.49
12/06/04	ND	ND	ND	
12/13/04	ND	ND	ND	ND
12/15/04	ND	ND	ND	ND

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
12/15/04		ND	ND	
12/17/04			ND	ND
12/20/04	ND	ND	ND	ND
12/22/04			ND	ND
12/27/04	ND	ND	ND	ND
12/29/04			ND	ND
12/30/04			ND	
01/03/05	ND	ND	ND	ND
01/05/05			ND	ND
01/07/05			ND	ND
01/10/05	ND	ND	ND	ND
01/12/05			ND	ND
01/14/05			ND	ND
01/18/05		ND	ND	
01/19/05			ND	ND
01/21/05			ND	ND
01/24/05	ND	ND	ND	
01/26/05				ND
01/26/05	1.4	ND	ND	ND
01/28/05			ND	ND
01/31/05	ND	ND	ND	ND
02/02/05			ND	ND
02/04/05			ND	ND
02/07/05	ND	ND	ND	ND
02/09/05			ND	ND
02/11/05			ND	ND
02/14/05	ND	ND	ND	ND
02/16/05			ND	ND
02/18/05			ND	ND
02/22/05			ND	
02/23/05			ND	ND
02/24/05	ND	ND	ND	ND
02/25/05	ND		ND	ND
02/28/05	ND	ND	ND	ND
03/02/05			ND	ND
03/04/05			ND	ND
03/07/05	ND	ND	ND	
03/09/05			ND	ND

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
03/11/05			ND	ND
03/14/05	ND	ND	ND	ND
03/16/05	ND	ND	ND	ND
03/18/05			ND	ND
03/21/05	ND	2.81	ND	ND
03/23/05			ND	ND
03/25/05			ND	ND
03/28/05	ND	ND	ND	ND
03/30/05			ND	ND
03/31/05	ND	ND	ND	ND
04/01/05			ND	ND
04/04/05	ND	1.27	ND	ND
04/06/05			ND	ND
04/08/05			ND	ND
04/11/05	ND	ND	ND	ND
04/13/05			ND	ND
04/18/05	ND	ND	ND	ND
04/20/05			ND	ND
04/22/05			ND	ND
04/25/05	ND	ND	ND	ND
04/27/05			ND	ND
04/27/05	ND	ND	ND	ND
04/29/05			ND	ND
05/02/05	ND	ND	ND	ND
05/04/05			ND	ND
05/06/05			ND	ND
05/09/05	ND	ND	ND	ND
05/11/05			ND	ND
05/13/05			ND	ND
05/16/05	ND	ND	ND	ND
05/18/05			ND	ND
05/20/05			ND	ND
05/23/05	ND	ND	ND	ND
05/25/05			ND	ND
05/27/05			ND	ND
05/27/05	ND	ND	ND	ND
05/31/05		ND	ND	ND
06/03/05			ND	ND
06/06/05	ND	ND	ND	ND
06/08/05			ND	ND

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
06/10/05			ND	ND
06/13/05	ND	ND	ND	ND
06/15/05			ND	ND
06/17/05			ND	ND
06/20/05	ND	ND	ND	ND
06/22/05			ND	ND
06/24/05			ND	ND
06/27/05	ND	ND	ND	ND
06/30/05	ND	ND	ND	ND
07/01/05			ND	ND
07/05/05			ND	ND
07/06/05			ND	ND
07/08/05			ND	ND
07/11/05	ND	ND	ND	ND
07/13/05			ND	ND
07/15/05	ND	ND	ND	ND
07/18/05	ND	ND	ND	ND
07/22/05			ND	ND
07/25/05	1.34	1.87	ND	ND
07/27/05			ND	ND
07/27/05	ND	ND	ND	ND
07/29/05			ND	ND
08/01/05	ND	ND	ND	ND
08/03/05			ND	ND
08/05/05	ND	ND	ND	ND
08/08/05	ND	ND	ND	ND
08/10/05			ND	ND
08/12/05			ND	ND
08/15/05	ND	ND	ND	ND
08/17/05			ND	ND
08/19/05			ND	ND
08/22/05	ND	ND	ND	ND
08/24/05			ND	ND
08/24/05	ND	ND	ND	ND
08/26/05			ND	ND
08/29/05	ND	ND	ND	ND
08/31/05			ND	ND
09/02/05			ND	ND
09/06/05	ND	ND	ND	ND
09/07/05			ND	ND

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
09/09/05			ND	ND
09/12/05	ND	ND	ND	ND
09/14/05			ND	ND
09/16/05			ND	ND
09/19/05	2.5	1.5	ND	ND
09/21/05			1.7	ND
09/23/05			ND	ND
09/26/05	ND	ND	ND	ND
09/28/05			ND	ND
09/30/05	ND	ND	ND	ND
10/03/05	ND	ND	ND	ND
10/05/05			ND	ND
10/07/05			ND	ND
10/12/05			ND	ND
10/14/05			ND	ND
10/17/05	ND	ND	ND	ND
10/19/05			ND	ND
10/20/05	ND	ND	ND	ND
10/21/05			ND	ND
10/24/05	ND	ND	ND	ND
10/26/05			ND	ND
10/28/05			ND	ND
10/31/05	2.0	ND	ND	ND
11/02/05			ND	ND
11/04/05			ND	ND
11/07/05	1.8	1.9	ND	ND
11/09/05			ND	ND
11/14/05	ND	ND	ND	ND
11/16/05			ND	ND
11/18/05			ND	ND
11/21/05	ND	1.4	ND	ND
11/22/05	0.9	1.1	1.1	1.1
11/23/05			ND	ND
11/28/05	ND	ND	ND	ND
11/30/05			ND	ND
12/02/05			ND	ND
12/05/05	ND	ND	ND	ND
12/07/05			ND	
12/09/05			ND	
12/12/05	ND	ND	ND	ND

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
12/14/05			ND	ND
12/16/05			ND	ND
12/19/05	ND	ND	ND	ND
12/20/05	ND	ND	ND	0.9
12/21/05			ND	ND
12/23/05			ND	ND
12/28/05			ND	ND
12/30/05			ND	ND
01/03/06				ND
01/04/06			ND	ND
01/06/06			ND	ND
01/09/06	2.40	ND	ND	ND
01/11/06			ND	ND
01/13/06			ND	ND
01/18/06	ND	ND	ND	ND
01/20/06			ND	ND
01/23/06	ND	ND	ND	ND
01/25/06			ND	ND
01/26/06	ND	ND	ND	ND
01/27/06			ND	ND
01/30/06	ND	ND	ND	ND
02/01/06			ND	ND
02/03/06			ND	ND
02/06/06	ND	ND	ND	ND
02/08/06			ND	ND
02/10/06			ND	ND
02/13/06	ND	ND	ND	ND
02/15/06			ND	ND
02/17/06			ND	ND
02/20/06				ND
02/22/06			ND	
02/24/06			ND	ND
02/24/06	ND	ND	ND	
02/27/06				ND
03/01/06	ND	ND	ND	ND
03/03/06			ND	ND
03/06/06	ND	2.90	1.56	ND
03/08/06			ND	ND
03/10/06			ND	ND
03/13/06	1.69	ND	ND	

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
03/15/06			ND	ND
03/16/06				ND
03/17/06			ND	ND
03/20/06	ND	ND		
03/21/06	ND			
03/24/06		ND	ND	
03/27/06	ND	ND	ND	ND
03/29/06			ND	ND
03/31/06			ND	ND
04/03/06	ND	ND	ND	ND
04/05/06			ND	ND
04/07/06			ND	ND
04/10/06	ND	ND	ND	ND
04/12/06			ND	ND
04/14/06			ND	ND
04/17/06	ND	ND	ND	ND
04/19/06			ND	ND
04/24/06	ND	ND	ND	ND
04/25/06				ND
04/26/06			ND	ND
04/27/06	ND			
04/28/06		ND	ND	
04/28/06			ND	ND
05/01/06	ND	ND	ND	ND
05/03/06			ND	ND
05/05/06			ND	
05/08/06	ND	ND	ND	ND
05/10/06			ND	ND
05/12/06			ND	ND
05/15/06	ND	ND	ND	ND
05/17/06			ND	ND
05/19/06			ND	ND
05/22/06	ND	ND	ND	ND
05/24/06			ND	ND
05/29/06	ND			
05/31/06			ND	ND
06/02/06			ND	ND
06/05/06	ND	ND	ND	ND
06/06/06				
06/07/06			ND	ND

Collect Date	Great Falls (ug/L)	Raw Water (1) (ug/L)	Dalecarlia Effluent (18) (ug/L)	McMillan Effluent (J) (ug/L)
06/09/06			ND	ND
06/12/06	ND	ND	ND	ND

	Samples analyzed by MWH with 0.5 ug/L reporting limit using modified 314 method (proposed 314.1)
	Samples analyzed by EPA with 0.1 ug/L reporting limit using LC/MS/MS (proposed 330 method)
	ND = non-detect at < 4.0 ppb by WA lab using 314.0

All WA lab reported values at less than 4.0 ppb are considered estimated values.